

202.1 - Polymers (liquid, pellet, and powder forms)

These SRMs are for the calibration of instrumentation used in polymer technology science for the determination of molecular weight and molecular weight distribution and as characterized samples for other physical properties of polymers.

For further information see [SP 260-42](#), [SP 260-61](#), [SP 260-144](#), [SP 260-152](#) and [SP 260-147](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size
705a	Polystyrene	5 g
706a	Polystyrene	18 g
1473b	Low Density Polyethylene Resin	60g
1474a	Polyethylene Resin	60 g
1475a	Polyethylene, Linear	50 g
1476a	Branched Polyethylene Resin	12 g
1478	Polystyrene, Narrow Mol. Wt.	2 g
1479	Polystyrene, Narrow Mol. Wt.	2 g
1482a	Polyethylene, 14 K Molecular Weight	0.3 g
1483a	Polyethylene, Linear	0.3 g
1484a	Polyethylene, Linear	0.3 g
1487	Poly (methyl methacrylate)	2 g
1488	Poly (methyl methacrylate)	2 g
1489	Poly (methyl methacrylate)	2 g
2881	Polystyrene Absolute Molecular Mass Distribution Standard	0.3 g
2885	Polyethylene (6280 g/mol)	0.3 g
2886	Polyethylene (87000 g/mol)	0.3 g
2887	Polyethylene (196,400 g/mol)	0.3 g
2888	Polystyrene (7190 g/mol)	0.3 g

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202.1(2)- Melt Flow Rate

SRM	Description	Unit Size
1473b	Low Density Polyethylene Resin	60g
1474a	Polyethylene Resin	60 g
1496	Polyethylene Gas Pipe Resin	0.9 kg
1497	Polyethylene Gas Pipe Resin	9 kg

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202.1(3)- Viscosity

SRM	Description	Unit Size
2490	Non-Newtonian Polymer Solution for Rheological Measurements	100 mL
2491	Non-Newtonian Polymer Melt for Rheology	100 mL

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202.1(4)- Biomaterials

SRM	Description	Unit Size	Properties	Purity/Constituent (mass fraction in %)
8395	Tissue Engineering Reference, Scaffold	1 scaffold		200
8396	Tissue Engineering Reference, Scaffold	1 scaffold		300
8397	Tissue Engineering Reference, Scaffold	1 scaffold		450
8456	Ultra High Molecular Weight Polyethylene	each	- <i>Young Modulus</i> - <i>Yield Strength</i> - <i>Ultimate Tensile Strength</i> - <i>Elongation</i>	
8457	Ultra High Molecular Weight Polyethylene	10 cubes x 0.5 cm	- <i>Young Modulus</i> - <i>Yield Strength</i> - <i>Ultimate Tensile Strength</i> - <i>Elongation</i>	

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